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[FR/FR]; 30, rue de la petite Normandie, F-78330 Fontenay Le Fleury (FR). **CORAILLER, Christophe** [FR/FR]; 9, rue Saint Didier, F-75016 Paris (FR).

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(74) Common Representative: **ETUDES & PRODUCTIONS SCHLUMBERGER**; 1, rue Henri Becquerel - BP 202, F-92142 Clamart Cedex (FR).

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(71) Applicant (for FR only): **SERVICES PETROLIERS SCHLUMBERGER** [FR/FR]; 42, rue Saint-Dominique, F-75007 Paris (FR).

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(71) Applicant (for AE, AL, AU, AZ, BG, CO, CZ, DE, DK, GR, HU, ID, IE, IL, IT, KR, KZ, LT, MX, NO, NZ, OM, PL, RO, RU, SI, SK, TM, TN, TR, TT, UA, UZ, ZA only): **SCHLUMBERGER TECHNOLOGY B.V.** [NL/NL]; Parkstraat 83-89, 2514 JG The Hague (NL).

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(71) Applicant (for GB, JP, NL only): **SCHLUMBERGER HOLDINGS LIMITED**; P.O. Box 71, Craigmuir Chambers, Road Town, Tortola (VG).

(71) Applicant (for CA only): **SCHLUMBERGER CANADA LIMITED** [CA/CA]; 525-3rd Ave S.W., Calgary, Alberta, CA T2P 0G4 (CA).

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(71) Applicant (for all designated States except AE, AL, AU, AZ, BG, CA, CO, CZ, DE, DK, FR, GB, GR, HU, ID, IE, IL, IT, JP, KR, KZ, LT, MX, NL, NO, NZ, OM, PL, RO, RU, SI, SK, TM, TN, TR, TT, UA, US, UZ, ZA): **PRAD RESEARCH AND DEVELOPMENT N.V.** [NL/NL]; De Ruyterkade 62, Willemstad, Curacao (AN).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **PAYS, Christian**

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **SMALL DROPLETS RECOVERY SYSTEM**

(57) Abstract: A system for separating an emulsion fluid into a recovered fluid and a purified fluid. The emulsion fluid comprises a continuous phase and a dispersed phase. The purified fluid is essentially constituted of the continuous phase. The system comprises a vessel at an inlet of which the emulsion fluid may flow. The system further comprises one or more coalescing element. Each coalescing element allows to coalesce at least a portion of the dispersed phase into large drops further detached from the coalescing element upon a flow of the emulsion fluid. The system further comprises one or more guiding mean. Each guiding mean is associated with one coalescing element to guide the detached large drops for further recovery.

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